

CERTIFICATE OF MAILING 37 C.F.R. § 1.8(a)

SAMUEL W. APICELLI, REGISTRATION NO. 36,427, HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ON THE DATE BELOW AND ADDRESSED TO MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450

Date of Deposit: October 31, 2005

Samuel W. Apicelli  
Samuel W. Apicelli

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of: John H. ROSENFELD  
et al.

Serial No.: 10/829,104 Examiner: Unassigned  
Filed: 21 April 2004 Group Art Unit: 3743

For: HEAT TRANSFER DEVICE AND METHOD OF MAKING  
SAME

### TRANSMITTAL LETTER

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Please find enclosed for filing:

- ☒ Information Disclosure Statement, PTO-1449 and references.
- ☒ Should any fees be incurred please debit Deposit Account No. 04-1679.  
This Transmittal Letter is submitted in duplicate.
- ☒ Return Postcard

Respectfully submitted,

Date: 10/31/05

Samuel W. Apicelli  
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Registration No. 36,427  
Customer No. 41396  
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30 South 17<sup>th</sup> Street  
Philadelphia, PA 19103-4196  
(215) 979-1255

Docket No.: H1799-00219



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SAME

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to the Duty of Disclosure set forth in 37 CFR 1.56, the materials listed on the enclosed form PTO-1449 are hereby brought to the attention of the Examiner. A copy of Japan Patent No. 51-11006 with an English Language Abstract, Japan Patent No. 59-24538 with an English Language Abstract, and each non-patent reference, is enclosed.

This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicants.



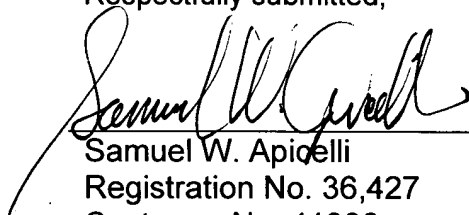
Serial No. 10/829,104

The claimed invention is patentable over the enclosed references. No representations are made regarding the references other than those set forth above.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Date: 10/31/05

Respectfully submitted,

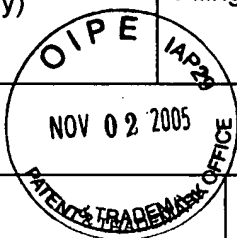


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Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket No. H1799-00219	Serial No. 10/829,104
	Applicant: John H. ROSENFELD et al.	
	Filing Date: 21 April 2004	Group Art Unit 3743

## U.S. PATENT DOCUMENTS



*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,537,514	March 1969	Levedahl			
	3,598,180	August 1971	Moore			
	3,613,778	October 1971	Feldman			
	3,675,711	April 1970	Bilinski et al.			
	3,681,843	August 1972	Arcella et al.			
	3,762,011	October 1973	Staudhammer			
	3,788,388	January 1974	Barkmann			
	4,042,316	August 1977	Rabe			
	4,046,190	Sept. 1977	Marcus et al.			
	4,058,299	November 1977	Lindkvist			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	INVENTOR	APPLICANT	TRANSLATION	
						YES	NO

## OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	Rosenfeld, J.H., "Nucleate Boiling Heat Transfer in Porous Wick Structures," ASME HTD Vol. 108, <i>Heat Transfer Fundamentals, Design, Applications, and Operating Problems</i> , R.H. Shah, Ed., pp. 47-55, 1989
	Rosenfeld, J.H. and J.E. Lindemuth, "Acetone Heat Pipes for Stirling Orbiter Refrigerator/Freezer," Contract G350240J70 – final report to GE Gov't. Service, 16 April 1993
	McDonald, K.E., Berchowitz, D., Rosenfeld, J.H., and Lindemuth, J.E., "Stirling Refrigerator for Space Shuttle Experiments," Proc. 29 <sup>th</sup> IECEC, paper 94-4179, pp. 1807-1812, 1994
	Lindemuth, J.E., "Stainless Steel/Propylene Heat Pipe Interface for Stirling Orbiter Refrigerator/Freezer," NASA LeRC final report, PO. No. C-76546-F, 21 April 1998
	Rosenfeld, J.H. and Lindemuth, J.E., "Heat Transfer in Sintered Groove Heat Pipes," International Heat Pipe Conference, 1999
	Rosenfeld, J.H. and North, M.T., "Porous Media Heat Exchangers for Cooling of High-Power Optical Components," <i>Optical Engineering</i> , Vol. 34, No. 2, pp. 335-341, February 1995
	Rosenfeld, J.H., Toth, J.E., and Phillips, A.L., "Emerging Applications for Porous Media Heat Exchangers," Proc. Int. Conf. on Porous Media and Their Applications in Science, Eng., and Industry, Kona, HI, 16-21 June 1996.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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	4,109,709	August 1978	Honda et al.			
	4,116,266	Sept. 1978	Sawata et al.			
	4,118,756	October 1978	Nelson et al.			
	4,177,646	December 1979	Guadagnin et al.			
	4,186,796	February 1980	Usui			
	4,231,423	November 1980	Haslett			
	4,274,479	June 1981	Eastman			
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	4,354,482	October 1982	Beisecker			
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	4,365,851	December 1982	Andres et al.			
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	4,489,777	December 1984	Del Bagno et al.			
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	4,616,699	October 1986	Grote			
	4,641,404	February 1987	Seydel et al.			
	4,697,205	Sept. 1987	Eastman			

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,748,314	May 1988	Desage			
	4,765,396	August 1988	Seidenberg			
	4,777,561	October 1988	Murphy et al.			
	4,807,697	February 1989	Gernert et al.			
	4,819,719	April 1989	Grote et al.			
	4,830,097	May 1989	Tanzer			
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	4,880,052	November 1989	Meyer, IV et al.			
	4,883,116	November 1989	Seidenberg et al.			
	4,885,129	December 1989	Leonard et al.			
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	4,921,041	May 1990	Akachi			
	4,929,414	May 1990	Leonard et al.			
	4,931,905	June 1990	Cirrito et al.			
	4,960,202	October 1990	Rice et al.			
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	5,059,496	October 1991	Sindorf			
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	5,101,560	April 1992	Leonard et al.			
	5,103,897	April 1992	Cullimore et al.			

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	5,160,252	November 1992	Edwards			
	5,200,248	April 1993	Thompson et al.			
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	5,253,702	October 1993	Davidson et al.			
	5,268,812	December 1993	Conte			
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	5,769,154	June 1998	Adkins et al.			

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	5,826,645	October 1998	Meyer IV et al.			
	5,847,925	December 1998	Progl et al.			
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	5,884,693	March 1999	Austin et al.			
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	6,167,948 B1	January 2001	Thomas			
	6,169,852 B1	January 2001	Liao et al.			
	6,227,287 B1	May 2001	Tanaka et al.			
	6,230,407 B1	May 2001	Akutsu			

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	6,239,350 B1	May 2001	Sievers et al.			
	6,256,201 B1	July 2001	Ideda et al.			
	6,293,333 B1	Sept. 2001	Ponnappan et al.			
	6,302,192 B1	October 2001	Dussinger et al.			
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	6,418,017 B1	July 2002	Patel et al.			
	6,460,612 B1	October 2002	Sehmbey et al.			
	6,619,384 B2	Sept. 2003	Moore			
	2003/014045 A1	July 2003	Oh et al.			

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	JP 51-11006	January 28, 1976	Japan		Tokico		x
	JP 59-24538 A	February 8, 1984	Japan		Japan Radio		x

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